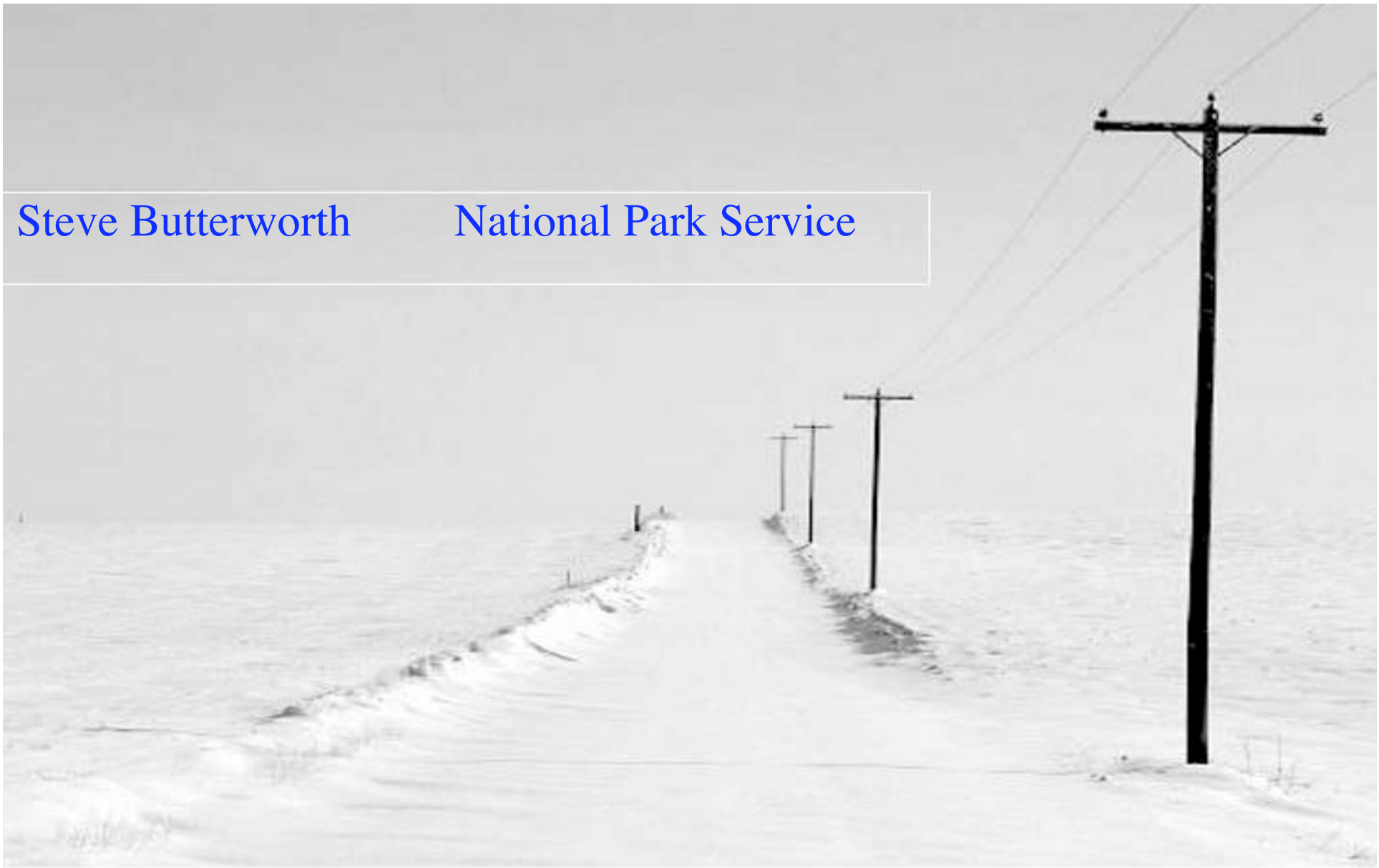
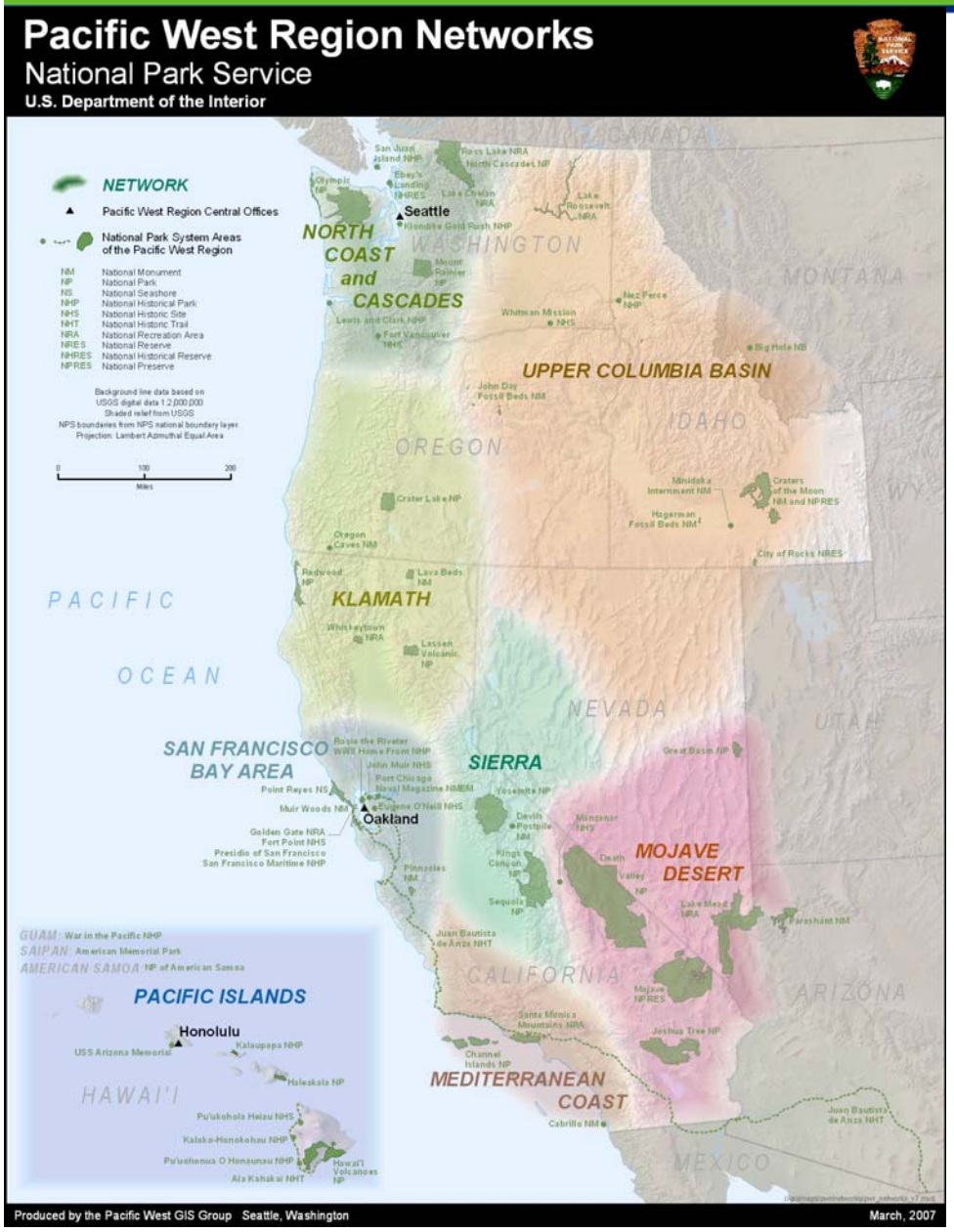
U.S. Department of Energy
Energy Efficiency and Renewable Energy

Green Energy Parks

Steve Butterworth National Park Service





2007
60 National Parks

30,000 MWH

$3,700,000

6,400,000 GSF

139 MWH Green

495 MWH RE

U.S. Department of Energy
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Green Energy Parks

PARTNERSHIP

Department of Interior – *National Park Service*

Department of Energy – *Office of Energy Efficiency and*

Partnership established by

- Established by Interagency MOU
- Signed September 2007
- Guided by interagency task force co-chaired by DOI/NPS and DOE/FEMP

Green Energy Parks

GOALS

- **Serve as proving ground** for emerging green energy technologies
- **Meet or exceed** EPACT 2005 and E.O. 13423 Federal energy management mandates

Green Energy Parks

Drivers

- **Improve** the energy efficiency of facilities and vehicle fleets *in advance* of the NPS 2016 Centennial
- **Deploy** DOE-developed technologies
- **Comply** with EPACT 2005 AND E.O. 13423

NPS Role

- **Identify opportunities** to deploy and promote energy efficient and renewable technologies
- **Prioritize** key deployment and promotional opportunities based on impact for reducing energy use
- **Develop and expand** new and existing partnerships nationwide

DOE/EERE Role

Technical Support

Direct Equipment Procurement Support

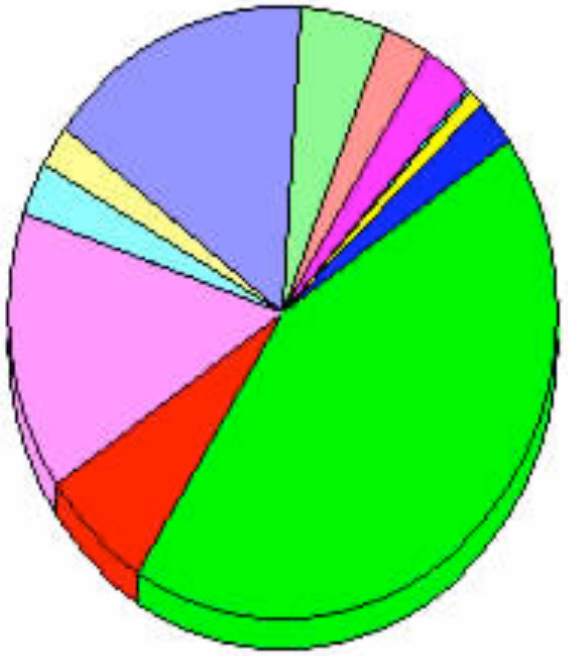
EERE Program support

- Federal Energy Management Program (FEMP)
- Building Technologies Program
- Solar Energy Technology Group
- Clean Cities Program
- National Laboratories

POTENTIAL PROJECTS

- Greening the Fleet
- Energy Conservation Program
- LEED The Way
- Illuminating Conservation in the Parks
- Diesel Generator Replacement
- Educating the World Through a National Park
- Signature Parks
- Metering and Action Program (MAP)

Point Reyes National Seashore	1,986.437(7%)
Joshua Tree National Park	12,216.093(43%)
Santa Monica NRA	789.106(3%)
Redwoods N&SP	221.63(1%)
San Juan Island	111.118(0%)
Whiskeytown National Recreation Area	875.664(3%)
Mt. Rainier National Park	797.392(3%)
Whitman Mission National Historical Site	1,412.592(5%)
Yosemite National Park	4,556.985(16%)
John Day Fossil Beds	573.444(2%)
San Francisco Maritime Hyde Street Pier PV	770.314(3%)
Cabrillo National Monument	4,113.281(14%)



Installed by Southern California Edison

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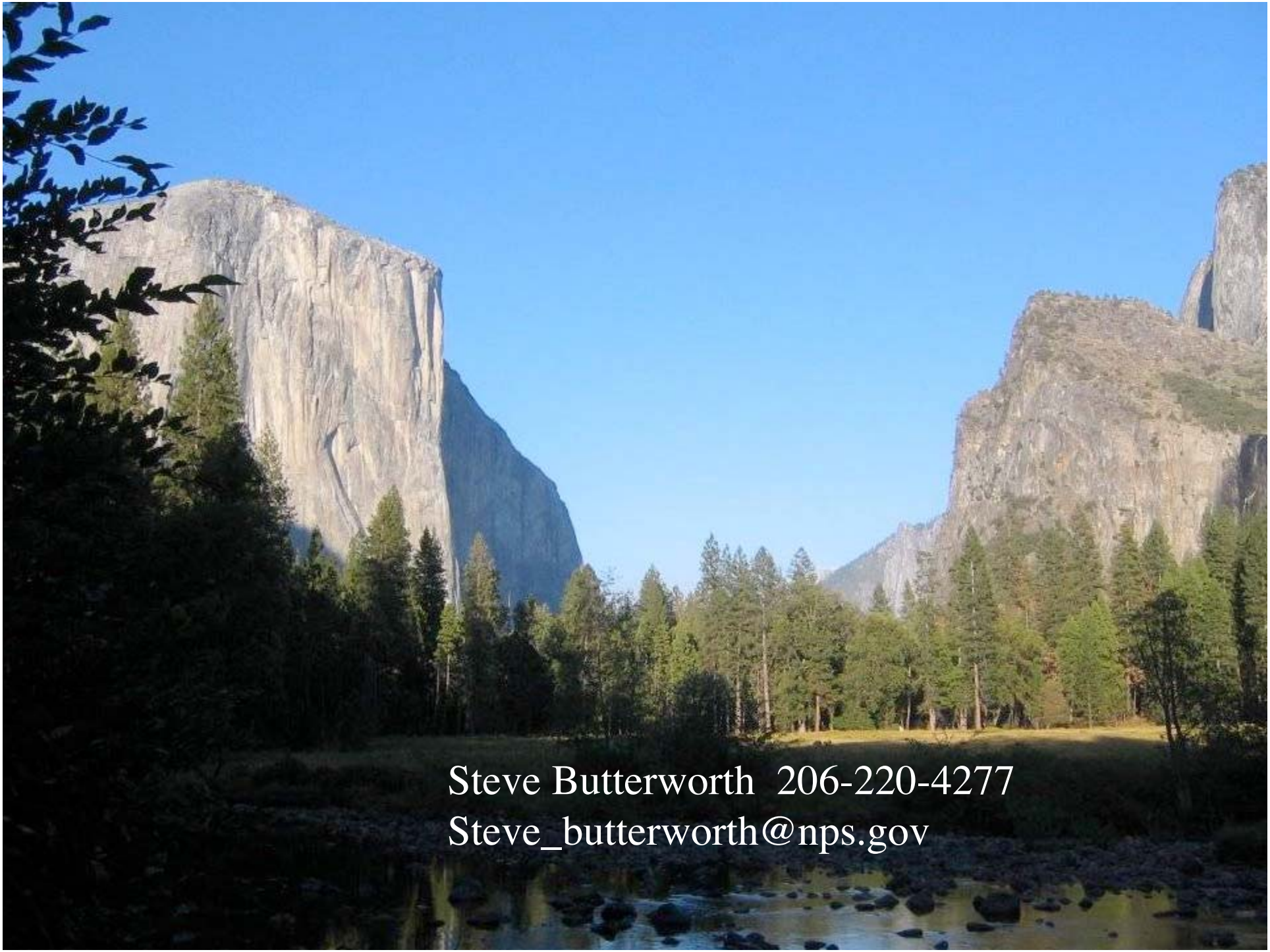
AFTER

BEFORE

OPPORTUNITIES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